

## Author Index Volume 120

- Agrinier, P., C. Mével, D. Bosch and M. Javoy, Metasomatic hydrous fluids in amphibole peridotites from Zabargad Island (Red Sea) 120 (1993) 187  
 Allègre, C.J., see Négrel, P. 120 (1993) 59
- Bassinot, F.C., Sonostratigraphy of tropical Indian Ocean giant piston cores: toward a rapid and high-resolution tool for tracking dissolution cycles in Pleistocene carbonate sediments 120 (1993) 327  
 Bazylinski, D.A., see Moskowitz, B.M. 120 (1993) 283  
 Beck, Jr., M.E., see Hervé, F. 120 (1993) 375  
 Begemann, F., see Verchovsky, A.B. 120 (1993) 87  
 Belshaw, N., see DeWolf, C.P. 120 (1993) 207  
 Benoit, P.H. and D.W.G. Sears, A recent meteorite shower in Antarctica with an unusual orbital history 120 (1993) 463  
 Blattner, P., "Andesitic water": a phantom of the isotopic evolution of water-silicate systems. Comment on "Isotopic shifts in waters from geothermal and volcanic systems along convergent plate boundaries and their origin" by W.F. Giggenbach 120 (1993) 511  
 Bohrmann, H., see Mühe, R. 120 (1993) 103  
 Bons, P.D., see Passchier, C.W. 120 (1993) 239  
 Bosch, D., see Agrinier, P. 120 (1993) 187  
 Bougault, H., see Dosso, L. 120 (1993) 443
- Caillot, V., see Hatzfeld, D. 120 (1993) 31  
 Cheilletz, A., G. Féraud, G. Giuliani and G. Ruffet, Emerald dating through  $^{40}\text{Ar}/^{39}\text{Ar}$  step-heating and laser spot analysis of syngenetic phlogopite 120 (1993) 473  
 Cherkaoui, T.-E., see Hatzfeld, D. 120 (1993) 31  
 Clement, B.M., C.B. Connor and G. Graper, Paleomagnetic estimate of the emplacement temperature of the long-runout Nevado de Colima volcanic debris avalanche deposit, Mexico 120 (1993) 499  
 Cohen, A.S. and R.K. O'Nions, Melting rates beneath Hawaii: Evidence from uranium series isotopes in recent lavas 120 (1993) 169  
 Connor, C.B., see Clement, B.M. 120 (1993) 499
- Devey, C.W., see Mühe, R. 120 (1993) 103  
 DeWolf, C.P., N. Belshaw and R.K. O'Nions, A metamorphic history from micron-scale  $^{207}\text{Pb}/^{206}\text{Pb}$  chronometry of Archean monazite 120 (1993) 207  
 Dosso, L., H. Bougault and J.-L. Joron, Geochemical morphology of the North Mid-Atlantic Ridge,  $10^{\circ}$ – $24^{\circ}\text{N}$ : Trace element-isotope complementarity 120 (1993) 443  
 Drake, R., see Hervé, F. 120 (1993) 375  
 Dunn, T., see Kelemen, P.B. 120 (1993) 111  
 Dupré, B., see Négrel, P. 120 (1993) 59
- Falloon, T.J., see Honda, M. 120 (1993) 135  
 Féraud, G., see Cheilletz, A. 120 (1993) 473  
 Frankel, R.B., see Moskowitz, B.M. 120 (1993) 283  
 Friedrichsen, H., see Hilton, D.R. 120 (1993) 265
- Giggenbach, W.F., Reply to comment by P. Blattner: "Andesitic water": a phantom of the isotopic evolution of water-silicate systems 120 (1993) 519  
 Giuliani, G., see Cheilletz, A. 120 (1993) 473  
 Graper, G., see Clement, B.M. 120 (1993) 499
- Hammerschmidt, K., see Hilton, D.R. 120 (1993) 265  
 Hatzfeld, D., V. Caillot, T.-E. Cherkaoui, H. Jebli and F. Medina, Microearthquake seismicity and fault plane solutions around the Nékor strike-slip fault, Morocco 120 (1993) 31  
 Herut, B., A. Starinsky and A. Katz, Strontium in rainwater from Israel: Sources, isotopes and chemistry 120 (1993) 77

- Hervé, F., R.J. Pankhurst, R. Drake, M.E. Beck, Jr. and C. Mpodozis, Granite generation and rapid unroofing related to strike-slip faulting, Aysén, Chile 120 (1993) 375
- Herzberg, C.T., Lithosphere peridotites of the Kaapvaal craton 120 (1993) 13
- Hilton, D.R., K. Hammerschmidt, S. Teufel and H. Friedrichsen, Helium isotope characteristics of Andean geothermal fluids and lavas 120 (1993) 265
- Honda, M., D.B. Patterson, I. McDougall and T.J. Falloon, Noble gases in submarine pillow basalt glasses from the Lau Basin: Detection of a solar component in backarc basin basalts 120 (1993) 135
- Jacobsen, S.B., see Kaufman, A.J. 120 (1993) 409
- Javoy, M., see Agrinier, P. 120 (1993) 187
- Jebli, H., see Hatzfeld, D. 120 (1993) 31
- Joron, J.-L., see Dosso, L. 120 (1993) 443
- Kadko, D., An assessment of the effect of chemical scavenging within submarine hydrothermal plumes upon ocean geochemistry 120 (1991) 361
- Katz, A., see Herut, B. 120 (1993) 77
- Kaufman, A.J., S.B. Jacobsen and A.H. Knoll, The Vendian record of Sr and C isotopic variations in seawater: Implications for tectonics and paleoclimate 120 (1993) 409
- Kelemen, P.B., N. Shimizu and T. Dunn, Relative depletion of niobium in some arc magmas and the continental crust: partitioning of K, Nb, La and Ce during melt/rock reaction in the upper mantle 120 (1993) 111
- Kern, H., see Popp, T. 120 (1993) 43
- Knoll, A.H., see Kaufman, A.J. 120 (1993) 409
- Krähenbühl, U., see Langenauer, M. 120 (1993) 431
- Langenauer, M. and U. Krähenbühl, Halogen contamination in Antarctic H5 and H6 chondrites and relation to sites of recovery 120 (1993) 431
- Larson, E.E. and P.E. Patterson, The Matuyama-Brunhes reversal at Tecopa basin, southeastern California, revisited again 120 (1993) 311
- Launspach, S., see Smith, D.G.W. 120 (1993) 487
- Lewin, E., see Négrel, P. 120 (1993) 59
- Lux, D.R., see West, Jr., D.P. 120 (1993) 221
- Marcantonio, F., see Reisberg, L. 120 (1993) 149
- Martignole, J. and P. Pouget, Contrasting zoning profiles in high-grade garnets: evidence for the allochthonous nature of a Grenville province terrane 120 (1991) 177
- McDougall, I., see Honda, M. 120 (1993) 135
- Medina, F., see Hatzfeld, D. 120 (1993) 31
- Mével, C., see Agrinier, P. 120 (1993) 187
- Miura, Y., see Smith, D.G.W. 120 (1993) 487
- Moskowitz, B.M., R.B. Frankel and D.A. Bazylinski, Rock magnetic criteria for the detection of biogenic magnetite 120 (1993) 283
- Mpodozis, C., see Hervé, F. 120 (1993) 375
- Mühe, R., C.W. Devey and H. Bohrmann, Isotope and trace element geochemistry of MORB from the Nansen-Gakkel ridge at 86° north 120 (1993) 103
- Négrel, P., C.J. Allègre, B. Dupré and E. Lewin, Erosion sources determined by inversion of major and trace element ratios and strontium isotopic ratios in river water: The Congo Basin case 120 (1993) 59
- Nozaki, Y. and Y. Ohta, Rapid and frequent turbidite accumulation in the bottom of Izu-Ogasawara Trench: Chemical and radiochemical evidence 120 (1993) 345
- Ohta, Y., see Nozaki, Y. 120 (1993) 345
- Olson, P., see Solomatov, V.S. 120 (1993) 387
- O'Nions, R.K., see Cohen, A.S. 120 (1993) 169
- O'Nions, R.K., see DeWolf, C.P. 120 (1993) 207
- Ott, U., see Verchovsky, A.B. 120 (1993) 87
- Pankhurst, R.J., see Hervé, F. 120 (1993) 375
- Passchier, C.W., C.E. ten Brink, P.D. Bons and D. Sokoutis,  $\delta$  objects as a gauge for stress sensitivity of strain rate in mylonites 120 (1993) 239

- Patterson, D.B., see Honda, M. 120 (1993) 135  
 Patterson, P.E., see Larson, E.E. 120 (1993) 311  
 Popp, T. and H. Kern, Thermal dehydration reactions characterised by combined measurements of electrical conductivity and elastic wave velocities 120 (1993) 43  
 Potts, S.S., B.A. van der Pluijm and R. Van der Voo, Discordant Silurian paleolatitudes for central Newfoundland: New paleomagnetic evidence from the Springdale Group 120 (1993) 1  
 Pouget, P., see Martignole, J. 120 (1991) 177
- Reisberg, L., A. Zindler, F. Marcantonio, W. White, D. Wyman and B. Weaver, Os isotope systematics in ocean island basalts 120 (1993) 149  
 Ruffet, G., see Cheilletz, A. 120 (1993) 473
- Schneider, D.A., An estimate of late Pleistocene geomagnetic intensity variation from Sulu Sea sediments 120 (1993) 301  
 Sears, D.W.G., see Benoit, P.H. 120 (1993) 463  
 Seno, T., see van der Hilst, R. 120 (1993) 395  
 Shimizu, N., see Kelemen, P.B. 120 (1993) 111  
 Smith, D.G.W., Y. Miura and S. Launspach, Fe, Ni and Co variations in the metals of some antarctic chondrites 120 (1993) 487  
 Sokoutis, D., see Passchier, C.W. 120 (1993) 239  
 Solomatov, V.S., P. Olson and D.J. Stevenson, Entrainment from a bed of particles by thermal convection 120 (1993) 387  
 Starinsky, A., see Herut, B. 120 (1993) 77  
 Stevenson, D.J., see Solomatov, V.S. 120 (1993) 387
- ten Brink, C.E., see Passchier, C.W. 120 (1993) 239  
 Teufel, S., see Hilton, D.R. 120 (1993) 265
- van der Hilst, R. and T. Seno, Effects of relative plate motion on the deep structure and penetration depth of slabs below the Izu-Bonin and Mariana island arcs 120 (1993) 395  
 van der Pluijm, B.A., see Potts, S.S. 120 (1993) 1  
 Van der Voo, R., see Potts, S.S. 120 (1993) 1  
 Verchovsky, A.B., U. Ott and F. Begemann, Implanted radiogenic and other noble gases in crustal diamonds from Northern Kazakhstan 120 (1993) 87
- Weaver, B., see Reisberg, L. 120 (1993) 149  
 West, Jr., D.P. and D.R. Lux, Dating mylonitic deformation by the  $^{40}\text{Ar}$ - $^{39}\text{Ar}$  method: An example from the Norumbega Fault Zone, Maine 120 (1993) 221  
 White, W., see Reisberg, L. 120 (1993) 149  
 Wyman, D., see Reisberg, L. 120 (1993) 149
- Zheng, Y.-F., Calculation of oxygen isotope fractionation in hydroxyl-bearing silicates 120 (1993) 247  
 Zindler, A., see Reisberg, L. 120 (1993) 149

